

## ABSTRACT OF THE DISCLOSURE

A pulse wave measuring apparatus includes a pressure sensor having a plurality of sensor elements wider in width than the small sensor element required in conventional tonometry. On the basis of differences  $\alpha$  and  $\beta$  of an AI value based on a pulse wave signal from the sensor element right above an artery and AI values based on pulse wave signals from two sensor elements located at a predetermined distance from the sensor element right above the artery,  $\alpha^2 + \beta^2$  is obtained. An AI value correction is calculated using a regression formula with  $\alpha^2 + \beta^2$  as a correction parameter representing the distortion degree. Using this correction value, the AI based on a pulse wave signal from the sensor element located right above the artery is corrected.